

**MOUSSE POLYURÉTHANE-COMPOSANT A (ISOCYANATE) - RP141025I**



**SAFETY DATA SHEET**  
(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

**SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name : MOUSSE POLYURÉTHANE-COMPOSANT A (ISOCYANATE)  
Product code : RP141025I.  
UFI : 15U0-Q009-E005-WQWN

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
N/A

**1.3. Details of the supplier of the safety data sheet**

Registered company name : SOROMAP PEINTURES VERNIS.  
Address : 1, RUE MAURICE MALLET Z.I. DE BELIGON.17300.ROCHEFORT SUR MER.FRANCE.  
Telephone : 05.46.88.36.10. Fax : 05.46.88.36.15.  
contact@soromap.com  
www.soromap.com

**1.4. Emergency telephone number : +33 (0)1 45 42 59 59.**

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

**SECTION 2 : HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Acute inhalation toxicity, Category 4 (Acute Tox. 4, H332).  
Skin irritation, Category 2 (Skin Irrit. 2, H315).  
Eye irritation, Category 2 (Eye Irrit. 2, H319).  
Respiratory sensitisation, Category 1 (Resp. Sens. 1, H334).  
Skin sensitisation, Category 1 (Skin Sens. 1, H317).  
Carcinogenicity, Category 2 (Carc. 2, H351).  
Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H335).  
Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2, H373).  
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.  
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

**2.2. Label elements**

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS07



GHS08

Signal Word :

DANGER

Product identifiers :

CAS 9016-87-9

POLYMETHYLENEPOLYPHENYLENE ESTER

EC 202-966-0

4,4'-METHYLENEDIPHENYL DIISOCYANATE

## Additional labeling :

EUH204

Contains isocyanates. May produce an allergic reaction.

## Hazard statements :

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H332

Harmful if inhaled.

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335

May cause respiratory irritation.

H351

Suspected of causing cancer .

H373

May cause damage to organs through prolonged or repeated exposure (respiratory tract) (if inhaled).

## Precautionary statements - General :

P103

Read carefully and follow all instructions.

## Precautionary statements - Prevention :

P260

Do not breathe vapours.

P280

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...

## Precautionary statements - Response :

P304 + P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312

Call a POISON CENTER/doctor/... if you feel unwell.

## Precautionary statements - Storage :

P405

Store locked up.

## Other information :

As from 24 August 2023 adequate training is required before industrial or professional use

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

"Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product."

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

**2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances  $\geq 0.1\%$  with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 9016-87-9	GHS07, GHS08	[1]	50 $\leq$ x % < 100
POLYMETHYLENEPOLYPHENYLENE ESTER	Dgr Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	[2]	

CAS: 101-68-8 EC: 202-966-0 REACH: 01-2119457014-47  4,4'-METHYLENEDIPHENYL DIISOCYANATE	GHS07, GHS08 Dgr Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	C [1] [2]	25 <= x % < 50
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**Specific concentration limits:**

Identification	Specific concentration limits	ATE
CAS: 9016-87-9  POLYMETHYLENEDIPHENYLENE ESTER		inhalation: ATE = 310 mg/l 4h (dust/mist)
CAS: 101-68-8 EC: 202-966-0 REACH: 01-2119457014-47  4,4'-METHYLENEDIPHENYL DIISOCYANATE	Skin Irrit. 2: H315 >=5% Eye Irrit. 2: H319 >= 5%	

**Information on ingredients :**

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. description of first aid measures****In the event of exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

Do not proceed with mouth-to-mouth or mouth-to-nose resuscitation. Use the appropriate equipment.

In the event of an allergic reaction, seek medical attention.

**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

N/A

**In the event of swallowing :**

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

**4.2. Most important symptoms and effects, both acute and delayed**

N/A

**4.3. Indication of any immediate medical attention and special treatment needed**

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media****Suitable methods of extinction**

N/A

N/A

**5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

No data available.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

**For non first aid worker**

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Clean preferably with a detergent, do not use solvents.

Contaminated areas must be cleaned very quickly.

A possible decontaminant for flammable products may be : (expressed by volume) water (45 parts), ethanol or isopropanol (50 parts), concentrated ammonia (d-0.880) (5 parts). For non-flammable products: sodium carbonate (5 parts), water (95 parts).

This residue must be stored for disposal in compliance with current regulations (see section 13).

**6.4. Reference to other sections**

No data available.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of asthma, allergies and/or chronic or periodical breathing difficulties should not, under any circumstances, use these mixtures.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

**7.1. Precautions for safe handling**

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

**Fire prevention :**

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not inhale vapours.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid skin and eye contact with this mixture.

Avoid exposure - obtain special instructions before use.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities**

N/A

N/A

N/A

N/A

**Storage**

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limits :**

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
9016-87-9		0.05 E mg/m <sup>3</sup>		1;=2=(I)
101-68-8		0.05 E mg/m <sup>3</sup>		1;=2=(I)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
101-68-8	0.01	0.1	0.02	0.2	AR	62

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
9016-87-9	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	-	-	-
101-68-8	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	-	-	-

**Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)

**Final use:**

Exposure method:

Potential health effects:

DNEL :

Exposure method:

Potential health effects:

**Workers.**

Dermal contact.

Short term systemic effects.

50 mg/kg body weight/day

Dermal contact.

Short term local effects.

DNEL : 28.7 mg of substance/cm2

Exposure method: Inhalation.  
Potential health effects: Short term systemic effects.  
DNEL : 0.1 mg of substance/m3

Exposure method: Inhalation.  
Potential health effects: Short term local effects.  
DNEL : 0.1 mg of substance/m3

Exposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 0.05 mg of substance/m3

Exposure method: Inhalation.  
Potential health effects: Long term local effects.  
DNEL : 0.05 mg of substance/m3

**Final use:****Consumers.**

Exposure method: Ingestion.  
Potential health effects: Short term systemic effects.  
DNEL : 20 mg/kg body weight/day

Exposure method: Dermal contact.  
Potential health effects: Short term systemic effects.  
DNEL : 25 mg/kg body weight/day

Exposure method: Dermal contact.  
Potential health effects: Short term local effects.  
DNEL : 17.2 mg of substance/cm2

Exposure method: Inhalation.  
Potential health effects: Short term systemic effects.  
DNEL : 0.05 mg of substance/m3

Exposure method: Inhalation.  
Potential health effects: Short term local effects.  
DNEL : 0.05 mg of substance/m3

Exposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 0.025 mg of substance/m3

Exposure method: Inhalation.  
Potential health effects: Long term local effects.  
DNEL : 0.025 mg of substance/m3

**Predicted no effect concentration (PNEC):**

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)

Environmental compartment: Soil.  
PNEC : 1 mg/kg

Environmental compartment: Fresh water.  
PNEC : 1 mg/l

Environmental compartment: Sea water.  
PNEC : 0.1 mg/l

Environmental compartment: Waste water treatment plant.  
PNEC : 1 mg/l

## 8.2. Exposure controls

### Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

#### - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

#### - Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties :

- Antistatic gloves in accordance with standard EN16350

#### - Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Wear antistatic clothing made from heat resistant natural or synthetic fibres in accordance with standard EN1149.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

#### - Respiratory protection

Avoid inhaling vapors.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

- A3 (Brown)

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

N/A

N/A

**9.1. Information on basic physical and chemical properties****Physical state**

Physical state :

Viscous liquid.

**Colour**

Unspecified

**Odour**

Odour threshold :

Not stated.

**Freezing point**

Freezing point / Freezing range :

Not stated.

**Boiling point or initial boiling point and boiling range**

Boiling point/boiling range :

Not specified.

**Flammability**

Flammability (solid, gas) :

Not stated.

**Lower and upper explosion limit**

Explosive properties, lower explosivity limit (%) :

Not stated.

Explosive properties, upper explosivity limit (%) :

Not stated.

**Flash point**

Flash Point :

232.00 °C.

**Auto-ignition temperature**

Self-ignition temperature :

Not specified.

**Decomposition temperature**

Decomposition point/decomposition range :

Not relevant.

**pH**

pH :

Not relevant.

pH (aqueous solution) :

Not stated.

**Kinematic viscosity**

Viscosity :

450 à 800 mPa.s à 25°C

**Solubility**

Water solubility :

Insoluble.

Fat solubility :

Not stated.

**Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water :

Not stated.

**Vapour pressure**

Vapour pressure (50°C) :

Not relevant.

**Density and/or relative density**

Density :

1.24 à 25°C

**Relative vapour density**

Vapour density :

8.5

**9.2. Other information**

VOC (g/l) :

0.00

**9.2.1. Information with regard to physical hazard classes**

No data available.

**9.2.2. Other safety characteristics**

No data available.



**SECTION 10 : STABILITY AND REACTIVITY****10.1. Reactivity**

Keep away from oxidising agents and strongly acidic or basic materials to avoid exothermic reactions.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

The mixture can also release hydrogen cyanide, amines and alcohols.

**10.4. Conditions to avoid**

N/A

**10.5. Incompatible materials**

N/A

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)

N/A

**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Harmful by inhalation.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties.

May cause hypersensitivity of the respiratory tracts with effects taking the form of asthma, rhinitis/conjunctivitis or alveolitis.

May cause an allergic reaction by skin contact.

Based on isocyanate properties and considering the toxicological data of similar mixtures, this preparation may cause irritations and/or sensitisations of the respiratory system.

It may therefore bring about asthma, respiratory difficulties and angina pectoris.

Those susceptible may display asthmatic symptoms when exposed to atmospheres with an isocyanate concentration well below those of the VLE : exposure limits.

Repeated exposure may cause permanent respiratory problems.

Suspected human carcinogen.

May cause severe damage to organs in the event of repeated or prolonged exposure.

**11.1.1. Substances****Acute toxicity :**

POLYMETHYLENEPOLYPHENYLENE ESTER (CAS: 9016-87-9)

Dermal route : LD<sub>50</sub> > 9400 mg/kg  
Species : Rabbit

Inhalation route (Dusts/mist) : LC<sub>50</sub> = 310 mg/l  
Species : Rat  
Duration of exposure : 4 h

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)

Oral route : LD<sub>50</sub> > 10000 mg/kg  
Species : Rat

**Respiratory or skin sensitisation :**

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)  
OECD Guideline 406 (Skin Sensitisation)

POLYMETHYLENEDIPOLYPHENYLENE ESTER (CAS: 9016-87-9)  
OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity :**

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)  
Mutagenesis (in vivo) : Negative.  
OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

POLYMETHYLENEDIPOLYPHENYLENE ESTER (CAS: 9016-87-9)  
Mutagenesis (in vivo) : Negative.  
OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

**Carcinogenicity :**

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)  
Carcinogenicity Test : Positive.  
Suspected human carcinogen.  
Species : Rat  
OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

POLYMETHYLENEDIPOLYPHENYLENE ESTER (CAS: 9016-87-9)  
Species : Rat  
OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

**Reproductive toxicant :**

POLYMETHYLENEDIPOLYPHENYLENE ESTER (CAS: 9016-87-9)  
Study on fertility : Species : Rat  
OECD Guideline 414 (Prenatal Developmental Toxicity Study)

**11.1.2. Mixture****Respiratory or skin sensitisation :**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Contains isocyanates. May cause an allergic reaction.

**11.2. Information on other hazards****Monograph(s) from the IARC (International Agency for Research on Cancer) :**

CAS 101-68-8 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 9016-87-9 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

**SECTION 12 : ECOLOGICAL INFORMATION****12.1. Toxicity****12.1.1. Substances**

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)  
Fish toxicity : LC50 > 1000 mg/l  
Duration of exposure : 96 h  
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity : EC50 > 1000 mg/l  
Duration of exposure : 24 h  
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC > 10 mg/l

Species : *Daphnia magna*  
Duration of exposure : 21 days  
OECD Guideline 211 (*Daphnia magna* Reproduction Test)

POLYMETHYLENEPOLYPHENYLENE ESTER (CAS: 9016-87-9)

Fish toxicity :  
LC50 > 1000 mg/l  
Duration of exposure : 96 h  
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :  
EC50 > 1000 mg/l  
Duration of exposure : 24 h  
OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

NOEC > 10 mg/l  
Duration of exposure : 21 days  
OECD Guideline 211 (*Daphnia magna* Reproduction Test)

Algae toxicity :  
ECr50 > 1640 mg/l  
Duration of exposure : 72 h  
OECD Guideline 201 (Alga, Growth Inhibition Test)

#### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

#### 12.2. Persistence and degradability

##### 12.2.1. Substances

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)  
Biodegradability : Non-rapidly degradable.

POLYMETHYLENEPOLYPHENYLENE ESTER (CAS: 9016-87-9)  
Biodegradability : Non-rapidly degradable.

#### 12.3. Bioaccumulative potential

##### 12.3.1. Substances

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)  
Bioaccumulation : BCF = 200

POLYMETHYLENEPOLYPHENYLENE ESTER (CAS: 9016-87-9)  
Bioaccumulation : BCF = 200

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

No data available.

#### 12.6. Endocrine disrupting properties

No data available.

#### 12.7. Other adverse effects

No data available.

#### German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 1 : Slightly hazardous for water.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

**14.1. UN number or ID number**

-

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

-

**14.4. Packing group**

-

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/643 (ATP 16)

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)

**- Container information:**

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

**- Particular provisions :**

No data available.

**- German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :**

WGK 1 : Slightly hazardous for water.

**15.2. Chemical safety assessment**

No data available.

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer .
H373	May cause damage to organs through prolonged or repeated exposure .

**Abbreviations :**

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

NOEC : The concentration with no observed effect.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

CMR: Carcinogenic, mutagenic or reprotoxic.

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS07 : Exclamation mark

GHS08 : Health hazard

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.